



To: Lora Fly, DON, NAVFAC MIDLANT

From: Brian Caldwell, P.G., Resolution Consultants

Subject: Week #2 Summary, Bethpage Water District Well 6-2 Pilot Test — NWIRP
Bethpage

Date: 05 April 2016

Week #2 Summary

The BWD Pilot Test continued with groundwater pumping at well 6-1 on Monday, March 28; pumping times, interval flow rates, interval total gallons, and daily gallons pumped are provided in the following table.

Date	Well 6-1 Time on	Well 6-1 Time Off	Well 6-1 Hours Run	Flow Rate (gpm)	Interval Pumpage (K Gal)	Daily Pumpage (K Gal)
3/28/2016	0:00	23:59:00	23:59	1212	1744.07	1744.07
3/29/2016	0:00	23:59:00	23:59	1208	1738.31	1738.31
3/30/2016	0:00	23:59:00	23:59	1209	1739.75	1739.75
3/31/2016	0:00	23:59:00	23:59	1205	1734.00	1734.00
4/1/2016	0:00	12:01	12:01	1207	870.25	870.25
4/2/2016	off	--	--	--	--	--
4/3/2016	off	--	--	--	--	--

Sums =	4.50 days	1,208 ave. gpm	7,826,373 tot. gals	7,826,373 tot. gals
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Well 6-2 located at Plant #6 was not operated during the above dates.

Week #1 Summary, Bethpage Water District Well 6-2 Pilot Test
March 30, 2016

Preliminary rainfall data (daily inches) for the above dates is:

3/26/2016	0
3/27/2016	0
3/28/2016	0.52
3/29/2016	0
3/30/2016	0
3/31/2016	0
4/1/2016	0.04

Week #2 samples were collected on Friday, April 1. Chemicals detected in the raw water for wells 6-1 and 6-2, and the treated water used for distribution are summarized below:

Chemicals Detected 4/1/16	Well 6- 1	Well 6- 2	Treated Water	NYS limit
1,4-Dioxane	11	6.9	11	--
1,1-Dichloroethane	<0.50	1.03	<0.50	5
Carbon Tetrachloride	<0.50	0.82	<0.50	5
Chloroform	<0.50	0.77	<0.50	--
cis-1,2-Dichloroethene	<0.50	1.64	<0.50	5
Tetrachloroethene	3.19	1	<0.50	5
Total Trihalomethanes	<2.00	0.77 J	<2.00	80
Trichloroethene	36.6	581	<0.50	5
Nitrate as N, mg/L	3.77	2.77	3.66	10
Perchlorate	3.1	2.4	3.3	18

All units µg/L, except as noted.

Exceed NYS Regulatory Limits

Laboratory reports were forwarded to Mr. Henry Wilkie of NYSDEC via email dated April 5, 2016.

Week #3

Week #3 of the Pilot Test began on Monday, April 4; pumping will be conducted at well 6-2 only for this weekly pumping cycle.